

causing the tube packets to come into contact with the water distributed via a ring pipe and steam via the ring pipe, wherein the ring pipe is mounted as collection or distribution chamber on a wall.

10. The process as claimed in claim 9, wherein the distribution or collecting is mounted internally on the reactor wall.

16. (Amended) The process as claimed in claim 9, further providing holes for connecting the pipelines said holes being in the form of throttle holes for defining a desired pressure loss and hence for ensuring uniform flows over the various tube packets.

#### IN THE ABSTRACT

The Abstract has been amended as shown in "market-up" form in the Appendix and in "clear" form below:

A fluidized-bed reactor for the oxychlorination of ethylene, oxygen and HCL, comprises a heat exchanger, having tube packets in the fluidized-bed for releasing the heat evolved from exothermic reaction to a heat-transfer medium in the tube packets, in particular to water/steam. The tube packets come into contact with water via a ring pipe and the steam being removed via a ring pipe to provide an economical solution with which expensive drilled passages are avoided, the calculation for ring pipes is facilitated and a large number of wall passages is dispensed with. This is achieved by the ring pipe being mounted as a collector or chamber directly on the reactor wall.